

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L2	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L3	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2008/01/07 12:39
L4	7	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L5	15	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L6	784	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L7	358	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L8	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L9	5	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L10	13	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L11	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L12	9	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L13	158	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L14	41	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L15	3	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L16	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L17	6	speculative near3 register with architectural with recover\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L18	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L19	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39

## EAST Search History

L20	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L21	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L22	41	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2008/01/07 12:39
L23	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2008/01/07 12:39
L24	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2008/01/07 12:39
L25	254	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2008/01/07 12:39
L26	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2008/01/07 12:39
L27	5	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2008/01/07 12:39
L28	344	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L29	389	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L30	543	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L31	29	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L32	22	(location address) with (dependenc\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L33	9	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L34	7	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L35	526	"address trace"	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L36	407	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L37	55	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L38	65	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39

## EAST Search History

L39	185	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L40	118	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L41	38	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L42	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2008/01/07 12:39
L43	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2008/01/07 12:39
L44	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2008/01/07 12:39
L45	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2008/01/07 12:39
L46	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2008/01/07 12:39
L47	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L48	68	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L49	60	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L50	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L51	129	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L52	70	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L53	18	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L54	451	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L55	35	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L56	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L57	3	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39

## EAST Search History

L58	5	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L59	8	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L60	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L61	4	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L62	13	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L63	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L64	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L65	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L66	3	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L67	277	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L68	29	trace with entry with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L69	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2008/01/07 12:39
L70	1	L69 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L71	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L72	2	("20020144098" "20020144101").pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39

## EAST Search History

L73	158	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L74	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L75	41	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L76	3	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L77	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L78	6	speculative near3 register with architectural with recover\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L79	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L80	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L81	3	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L82	784	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L83	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L84	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L85	41	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2008/01/07 12:39
L86	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2008/01/07 12:39
L87	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2008/01/07 12:39
L88	13	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L89	15	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L90	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L91	358	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39

## EAST Search History

L92	254	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2008/01/07 12:39
L93	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2008/01/07 12:39
L94	344	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L95	389	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L96	543	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L97	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L98	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2008/01/07 12:39
L99	9	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L100	29	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L101	22	(location address) with (dependenc\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L102	5	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L103	9	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L104	526	"address trace"	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L105	7	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L106	5	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2008/01/07 12:39
L107	407	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L108	55	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L109	65	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L110	185	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L111	118	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39

## EAST Search History

L112	38	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L113	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2008/01/07 12:39
L114	68	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L115	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2008/01/07 12:39
L116	60	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L117	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2008/01/07 12:39
L118	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L119	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2008/01/07 12:39
L120	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2008/01/07 12:39
L121	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L122	129	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L123	18	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L124	70	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L125	451	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L126	35	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L127	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L128	3	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L129	5	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39

## EAST Search History

L130	8	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L131	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L132	4	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L133	13	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L134	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L135	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L136	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L137	277	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L138	29	trace with entry with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L139	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2008/01/07 12:39
L140	1	L139 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L141	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L142	2	("20020144098" "20020144101").pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L143	7	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L144	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L145	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39



## EAST Search History

L146	9	"live-in" same "live-out" same trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L147	1	broadcast\$3 with live-out	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L148	1	(inactive idle) with dependen\$4 with descriptor	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L149	416	(inactive idle) with descriptor	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L150	25	(inactive idle) with descriptor	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:39
L151	0	"live-in" same "live-out" same trace	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:39
L152	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L153	65	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L154	407	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L155	185	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L156	118	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L157	41	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2008/01/07 12:39
L158	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2008/01/07 12:39
L159	38	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L160	22	(location address) with (dependenc\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L161	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2008/01/07 12:39
L162	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2008/01/07 12:39
L163	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2008/01/07 12:39

## EAST Search History

L164	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2008/01/07 12:39
L165	60	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L166	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2008/01/07 12:39
L167	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2008/01/07 12:39
L168	68	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L169	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L170	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L171	129	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L172	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L173	18	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L174	70	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L175	41	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L176	29	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L177	451	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L178	35	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L179	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L180	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L181	3	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39

## EAST Search History

L182	5	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L183	8	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L184	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L185	4	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L186	13	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L187	6	speculative near3 register with architectural with recover\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L188	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L189	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L190	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L191	3	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L192	526	"address trace"	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L193	7	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L194	277	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L195	29	trace with entry with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L196	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2008/01/07 12:39

## EAST Search History

L197	1	L196 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:39
L198	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L199	2	("20020144098" "20020144101"). pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L200	158	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L201	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L202	55	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L203	41	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:39
L204	3	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L205	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L206	6	speculative near3 register with architectural with recover\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L207	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L208	543	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:40
L209	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L210	3	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L211	784	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L212	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L213	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L214	41	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2008/01/07 12:40
L215	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2008/01/07 12:40

## EAST Search History

L216	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2008/01/07 12:40
L217	13	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L218	15	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L219	358	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L220	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L221	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2008/01/07 12:40
L222	254	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2008/01/07 12:40
L223	344	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:40
L224	389	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:40
L225	9	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:40
L226	543	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:54
L227	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L228	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2008/01/07 12:40
L229	9	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L230	29	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L231	22	(location address) with (dependenc\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L232	5	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L233	3	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L234	254	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2008/01/07 12:40
L235	526	"address trace"	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40

## EAST Search History

L236	9	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:40
L237	5	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2008/01/07 12:40
L238	7	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L239	5	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2008/01/07 12:40
L240	407	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L241	55	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L242	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L243	65	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L244	185	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L245	118	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L246	38	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L247	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2008/01/07 12:40
L248	68	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:40
L249	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2008/01/07 12:40
L250	60	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L251	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2008/01/07 12:40
L252	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2008/01/07 12:40
L253	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L254	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2008/01/07 12:40
L255	129	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L256	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40

## EAST Search History

L257	70	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L258	18	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L259	451	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L260	35	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L261	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L262	3	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L263	5	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L264	8	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L265	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L266	4	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L267	13	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L268	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L269	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L270	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L271	277	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40

## EAST Search History

L272	29	trace with entry with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L273	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2008/01/07 12:40
L274	1	L273 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:40
L275	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L276	2	("20020144098" "20020144101").pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L277	7	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L278	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L279	68	huisman.xa.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L280	9	"live-in" same "live-out" same trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L281	1	broadcast\$3 with live-out	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L282	1	(inactive idle) with dependen\$4 with descriptor	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L283	416	(inactive idle) with descriptor	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L284	25	(inactive idle) with descriptor	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:40
L285	0	"live-in" same "live-out" same trace	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/07 12:40
L286	784	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L287	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40



## EAST Search History

L288	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L289	389	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:40
L290	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L291	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L292	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2008/01/07 12:40
L293	15	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L294	358	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L295	13	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L296	7	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L297	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L298	5	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L299	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2008/01/07 12:40
L300	9	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L301	344	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2008/01/07 12:40
L302	158	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2008/01/07 12:40
L303	0	(trace same dependenc\$3 same window same issu\$3).clm.	US-PGPUB	OR	OFF	2008/01/07 12:54
S1	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2005/02/23 14:04
S2	12	huisman.xa.	US-PGPUB; USPAT	OR	ON	2004/07/29 15:16
S3	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2004/07/29 15:00
S4	5	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2005/02/22 09:26

## EAST Search History

S5	6	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2004/08/02 14:04
S6	406	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2004/08/02 12:57
S7	176	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2004/08/02 12:57
S8	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:10
S9	2	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:19
S10	7	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:20
S11	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:24
S12	3	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2004/08/02 13:24
S13	80	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2004/08/02 14:05
S14	20	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2004/08/02 14:05
S15	1	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2004/08/03 10:39
S16	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2004/08/03 13:44
S17	6	speculative near3 register with architectural with recover\$3	US-PGPUB; USPAT	OR	ON	2004/08/03 11:03
S18	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2004/08/03 11:04
S19	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2004/08/03 11:04
S20	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2004/08/03 11:05
S21	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2004/08/03 13:48
S22	35	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2004/08/03 13:58
S23	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2004/08/03 14:35

## EAST Search History

S24	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2004/08/03 14:37
S25	240	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2004/08/03 14:39
S26	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2004/08/03 14:39
S27	4	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2004/08/03 14:39
S28	243	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/03 14:59
S29	233	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/03 14:59
S30	413	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2004/08/03 15:00
S31	18	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2005/02/22 09:27
S32	15	(location address) with (dependenc\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/02/22 09:27
S33	5	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2005/02/22 09:32
S34	6	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2005/02/23 09:27
S35	337	"address trace"	US-PGPUB; USPAT	OR	ON	2005/02/23 09:28
S36	250	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/02/23 09:28
S37	35	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/02/23 09:35
S38	44	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/02/23 10:49
S39	112	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2005/02/23 10:50
S40	69	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2005/02/23 10:50
S41	24	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2005/02/23 13:40
S42	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2005/02/23 13:42
S43	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2005/02/23 13:42
S44	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2005/02/23 13:44

## EAST Search History

S45	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2005/02/23 13:44
S46	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2005/02/23 13:48
S47	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2005/02/23 14:04
S48	17	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2005/02/23 16:02
S49	47	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2005/08/11 13:53
S50	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2005/08/11 13:53
S51	100	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2005/08/11 13:54
S52	52	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/08/11 14:50
S53	16	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:11
S54	362	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:11
S55	30	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:14
S56	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:30
S57	2	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:31
S58	4	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:31
S59	7	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:34
S60	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:35
S61	3	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/16 16:36

## EAST Search History

S62	10	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:30
S63	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:22
S64	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:22
S65	195	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:32
S66	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:31
S67	2	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:31
S68	22	trace with entry with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2005/12/19 08:32
S69	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2005/12/19 09:27
S70	1	S69 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2005/12/19 09:57
S71	35	huisman.xa.	US-PGPUB; USPAT	OR	ON	2006/05/17 16:34
S72	2	("20020144098" "20020144101").pn.	US-PGPUB; USPAT	OR	ON	2006/05/17 16:35
S73	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S74	41	huisman.xa.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S75	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2006/09/19 14:10
S76	7	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S77	12	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10

## EAST Search History

S78	623	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S79	280	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S80	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S81	5	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S82	12	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S83	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S84	6	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S85	136	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S86	36	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S87	3	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S88	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S89	6	speculative near3 register with architectural with recover\$3	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S90	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S91	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S92	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S93	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S94	40	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2006/09/19 14:10
S95	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2006/09/19 14:10
S96	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2006/09/19 14:10

## EAST Search History

S97	251	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2006/09/19 14:10
S98	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2006/09/19 14:10
S99	5	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2006/09/19 14:10
S10 0	309	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S10 1	322	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S10 2	496	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S10 3	24	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S10 4	19	(location address) with (dependenc\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S10 5	8	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S10 6	7	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S10 7	434	"address trace"	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S10 8	331	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S10 9	48	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 0	55	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 1	152	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 2	91	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 3	34	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S11 4	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2006/09/19 14:10
S11 5	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2006/09/19 14:10
S11 6	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2006/09/19 14:10

## EAST Search History

S11 7	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2006/09/19 14:10
S11 8	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2006/09/19 14:10
S11 9	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 0	41	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S12 1	53	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 2	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 3	112	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 4	61	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 5	16	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 6	397	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 7	31	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 8	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S12 9	2	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 0	4	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 1	7	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 2	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 3	4	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10



## EAST Search History

S13 4	12	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 5	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 6	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 7	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 8	3	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S13 9	226	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S14 0	26	trace with entry with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S14 1	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2006/09/19 14:10
S14 2	1	S141 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2006/09/19 14:10
S14 3	41	huisman.xa.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S14 4	2	("20020144098" "20020144101").pn.	US-PGPUB; USPAT	OR	ON	2006/09/19 14:10
S14 5	56	huisman.xa.	US-PGPUB; USPAT	OR	ON	2007/05/29 17:36
S14 6	8	"live-in" same "live-out" same trace	US-PGPUB; USPAT	OR	ON	2007/05/30 17:00
S14 7	1	broadcast\$3 with live-out	US-PGPUB; USPAT	OR	ON	2007/05/30 16:45
S14 8	382	(inactive idle) with descriptor	US-PGPUB; USPAT	OR	ON	2007/05/30 17:00
S14 9	1	(inactive idle) with dependen\$4 with descriptor	US-PGPUB; USPAT	OR	ON	2007/05/30 16:45

## EAST Search History

S15 0	23	(inactive idle) with descriptor	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 17:00
S15 1	0	"live-in" same "live-out" same trace	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/30 17:00
S15 2	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S15 3	65	huisman.xa.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S15 4	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2007/10/12 15:31
S15 5	7	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S15 6	15	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S15 7	755	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S15 8	337	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S15 9	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S16 0	5	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S16 1	13	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S16 2	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S16 3	9	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S16 4	158	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S16 5	41	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S16 6	3	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S16 7	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31

## EAST Search History

S16 8	6	speculative near3 register with architectural with recover\$3	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S16 9	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S17 0	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S17 1	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S17 2	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S17 3	41	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2007/10/12 15:31
S17 4	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2007/10/12 15:31
S17 5	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2007/10/12 15:31
S17 6	254	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2007/10/12 15:31
S17 7	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2007/10/12 15:31
S17 8	5	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2007/10/12 15:31
S17 9	339	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S18 0	372	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S18 1	530	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S18 2	29	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S18 3	22	(location address) with (dependenc\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S18 4	9	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S18 5	7	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S18 6	516	"address trace"	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31

## EAST Search History

S18 7	398	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S18 8	55	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S18 9	65	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S19 0	180	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S19 1	113	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S19 2	38	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S19 3	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2007/10/12 15:31
S19 4	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2007/10/12 15:31
S19 5	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2007/10/12 15:31
S19 6	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2007/10/12 15:31
S19 7	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2007/10/12 15:31
S19 8	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S19 9	65	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S20 0	60	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S20 1	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S20 2	128	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S20 3	70	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S20 4	17	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S20 5	446	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S20 6	34	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31

## EAST Search History

S20 7	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S20 8	3	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S20 9	5	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 0	8	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 1	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 2	4	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 3	13	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 4	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 5	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 6	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 7	3	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 8	269	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S21 9	28	trace with entry with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31

## EAST Search History

S22 0	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2007/10/12 15:31
S22 1	1	S220 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S22 2	65	huisman.xa.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S22 3	2	("20020144098" "20020144101"). pn.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S22 4	158	("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S22 5	1	(map mapp\$3) near5 ("live-in" near5 "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S22 6	41	((("live-in" "live-out" "live in" "live out" "live into") and g06f\$.ipc.) and trace	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S22 7	3	mispredict\$3 with recover\$3 with state with register with speculative	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S22 8	3	"speculative register file" with recover\$3	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S22 9	6	speculative near3 register with architectural with recover\$3	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S23 0	0	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") near3 execut\$3	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S23 1	1	fetch\$3 near3 instruction near3 ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S23 2	3	trace with (target start\$3) near2 address same (dependenc\$3 hazard) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S23 3	755	trace near3 (description tag)	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S23 4	2	fetch\$3 with instruction with ("just-in-time" "JIT" "just in time") with (issu\$3 execut\$3)	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S23 5	2	mispredict\$3 with architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S23 6	41	architectural with (copy\$3 copie\$1 written writ\$3) with speculative with register	USPAT	OR	ON	2007/10/12 15:31

## EAST Search History

S23 7	8	(restor\$3 recover\$3) with architectural with "reorder buffer"	USPAT	OR	ON	2007/10/12 15:31
S23 8	6	restor\$3 with register with misprediction with (copy\$3 copie\$1)	USPAT	OR	ON	2007/10/12 15:31
S23 9	13	(instruction tag) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S24 0	15	("live-in" and "live-out") and trace	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S24 1	65	huisman.xa.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S24 2	337	trace near3 (description tag) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S24 3	254	(restor\$3 recover\$3) with misprediction with "reorder buffer"	USPAT	OR	ON	2007/10/12 15:31
S24 4	10	("5148536"   "5560028"   "5765017"   "5918033"   "5958042"   "6065105"   "6219781"   "6237077"   "6260189"   "6378063").PN.	USPAT	OR	OFF	2007/10/12 15:31
S24 5	339	712/205.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S24 6	372	712/214.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S24 7	530	712/216.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S24 8	3	(tag descriptor) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S24 9	0	(restor\$3 recover\$3) with misprediction with shadow near3 (register set file)	USPAT	OR	ON	2007/10/12 15:31
S25 0	9	(trace) same ("live-in" same "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S25 1	29	(location address) with (dependenc\$3 hazard) with trace	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S25 2	22	(location address) with (dependenc\$3 hazard) with trace and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S25 3	5	(map mapp\$3) with ("live-in" with "live-out")	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S25 4	9	descriptor with trace with (location address)	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S25 5	516	"address trace"	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S25 6	7	trace with "basic block" with address\$2 with branch	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31

## EAST Search History

S257	5	(restor\$3 recover\$3) with mispredict\$3 with shadow with (register set file)	USPAT	OR	ON	2007/10/12 15:31
S258	398	"address trace" and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S259	55	"address trace" with (branch block) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S260	65	trace with descriptor and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S261	180	(trace near3 (cache buffer)) with address with instruction	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S262	113	(trace near3 (cache buffer)) with address near4 instruction	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S263	38	(trace near3 (cache buffer)) with stor\$3 with address near4 instruction	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S264	1	("address trace compressor").ti.	IBM_TDB	OR	ON	2007/10/12 15:31
S265	65	huisman.xa.	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S266	0	("Trace mechanism with Hang or loop detection").ti.	IBM_TDB	OR	ON	2007/10/12 15:31
S267	60	(trace dependen\$4) adj1 descriptor	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S268	1	(Trace mechanism with Hang loop detection).ti.	IBM_TDB	AND	ON	2007/10/12 15:31
S269	1	"5732255".pn.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S270	0	(Automatic loop detector Eliminator).ti.	IBM_TDB	AND	ON	2007/10/12 15:31
S271	1	(Automatic loop detector/Eliminator).ti.	IBM_TDB	AND	ON	2007/10/12 15:31
S272	3	(trace dependen\$4) adj1 descriptor same instruction	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S273	128	trace with (address location) with dependen\$4	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S274	17	entry with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S275	70	trace with (address location) with dependen\$4 and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S276	446	(dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31



## EAST Search History

S27 7	34	line with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S27 8	2	descriptor with (dependency hazard) near4 (data information) with address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S27 9	3	(dependency hazard) near4 (data information) with address near6 sequence near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 0	5	(dependency hazard) near4 (data information) with address near6 block near3 instruction and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 1	8	entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 2	1	branch same entry with (dependenc\$3 hazard) with target near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 3	4	(history branch) same entry with (dependenc\$3 hazard) with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 4	13	(history branch) same entry same (dependenc\$3 hazard) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 5	4	(history branch) same entry same live near2 (out in) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 6	0	entry same live near2 (out in) same (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 7	0	trace with (target start\$3) near2 address same live near2 (in out) and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 8	269	trace with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S28 9	28	trace with entry with (target start\$3) near2 address and g06f\$.ipc.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31

## EAST Search History

S29 0	15	(US-4809168-\$ or US-5557761-\$ or US-5699537-\$ or US-5732255-\$ or US-5870597-\$ or US-6018798-\$ or US-6260189-\$ or US-6304962-\$ or US-6347383-\$ or US-6427204-\$ or US-6633970-\$ or US-6014742-\$ or US-6233678-\$ or US-6247097-\$ or US-6351844-\$).did.	USPAT	OR	OFF	2007/10/12 15:31
S29 1	1	S290 and live near2 (in out)	US-PGPUB; USPAT	OR	OFF	2007/10/12 15:31
S29 2	65	huisman.xa.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S29 3	2	("20020144098" "20020144101"). pn.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S29 4	7	"trace descriptor"	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S29 5	1	"5699537".pn.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S29 6	65	huisman.xa.	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S29 7	9	"live-in" same "live-out" same trace	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S29 8	1	broadcast\$3 with live-out	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S29 9	1	(inactive idle) with dependen\$4 with descriptor	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S30 0	404	(inactive idle) with descriptor	US-PGPUB; USPAT	OR	ON	2007/10/12 15:31
S30 1	24	(inactive idle) with descriptor	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/12 15:31
S30 2	0	"live-in" same "live-out" same trace	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/12 15:31